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STMicroelectronics Inc.
c/o WOLF, GREENFIELD & SACKS, P.C.
600 Atlantic Avenue
BOSTON, MA 02210-2206

EXAMINER	
ZEWARI, SAYED T	

ART UNIT	PAPER NUMBER
2617	

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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No.	Applicant(s)	
	10/526,033	MONSACRE, OLIVIER	
	Examiner	Art Unit	
	Sayed T. Zewari	2617	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *17 April 2006*.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-27* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-27* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☒ All b)☐ Some * c)☐ None of:

1.☒ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____.
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____.

1. The Art Unit location of your application in the USPTO has changed. To aid in correlating any papers for this application, all further correspondence regarding this application should be directed to Art Unit 2617.

DETAILED ACTION

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 3 and 17 are rejected under 35 U.S.C. 102(b) as being anticipated by Ito (US 2001/0,006,902).

With respect to claim 3, Ito discloses a Smart card with a chip fitted **(See Ito's abstract figure 2(21, 22), section [0035]-[0037] where presence of processor, memory render the card a smart card)** with at least two surface pins and a processing module **(See Ito's abstract figure 2(21), section [0035])** further comprising a radio-frequency interface associated with the processing module **(See Ito's abstract figure 2(20), section [0036])** and connected to the two surface pins **(See Ito's abstract figure 2(see pins CMD, GND, VDD, CLK GND, DAT0, DAT1) where the pins are all surface pins, section [0035]-[0037]))**.

With respect to claim 17, Ito discloses a communications process comprising: providing equipment having an antenna adapted to inherently transmit and/or receive signals for use by the equipment **(See Ito's abstract, figure 2(12, 26), section [0033], and [0036])**; providing a smart card having a chip, a contact, a processing module and a radio- frequency interface associated with the processing module and connected to the contact, with the contact being connected to the antenna **(See Ito's abstract figure 2(21, 20, signal pins, and CONNECTOR), section [0035]-[0037])**; and transmitting electrical signals between the card and the antenna via the contact **(See Ito's abstract figure 2(21, 20, signal pins, and CONNECTOR), section [0035]-[0037]).**

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

5. Claims 1, 7, 16, 20, 18, and 21 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ito (US 2001/0,006,902) in view of Launay (US 6,111,303).

With respect to claim 1, Ito discloses a communication system **(See Ito's abstract, figure 2, section [0035]-[0037])** comprising the following steps:

- supply of equipment fitted with at least one antenna and at least two pins connected to the antenna **See Ito's abstract, figure 2(12), [0032]-[0037])**;

- supply of a smart card with a chip **(See Ito's abstract figure 2(21, 22), section [0035]-[0037] where presence of processor, memory render the card a smart card)** supplied with:

- at least two surface pins **(See Ito's figure 2(signal pins))**;

- a processing module **(See Ito's abstract figure 2(21), section [0035]-[0037])**;

- a radio-frequency interface associated with the processing module and connected to the surface pins of the card **(See Ito's abstract, figure 2(12), [0032]-[0037])**, the surface pins of the card inherently being coupled to the pins of the equipment **(See Ito's figure 2(21f), [0037])**;

However, Ito does not specifically disclose the connection between the surface pins of the card and the antenna. But Launay discloses a connection between the surface pins of the card and the antenna **(See Launay's abstract, figure 1(11, 12), col.3 lines 31-36).** Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the invention of Ito and combine with the invention of Launay, thereby providing a non-contact electronic card, as disclosed by Launay **(See Launay's col.1 lines 56-59).**

With respect to claim 7, Ito discloses Equipment with an antenna and a coupling interface coupleable to a smart card **(See Ito's abstract, figure 2, section [0035]-[0037])**. However, Ito does not specifically disclose the coupling interface has two pins coupleable to surface pins of a smart card; and the pins of the equipment are connected to the antenna. But Launay discloses a connection between the surface pins of the card and the antenna **(See Launay's abstract, figure 1(11, 12), col.3 lines 31-36).**

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the invention of Ito and combine with the invention of Launay, thereby providing a non-contact electronic card, as disclosed by Launay **(See Launay's col.1 lines 56-59).**

With respect to claim 16, Ito discloses a communication system wherein the antenna is active **(See Ito's abstract figure 5(29), section [0012], [0054]-[0056] where amplifier is employed, thus making the antenna active).**

With respect to claim 20, Ito discloses a communication system **(See Ito's abstract, figure 2, section [0035]-[0037])** comprising:
a smart card having a radio-frequency interface **(See Ito's abstract figure 2(20, 21, 12), section [0035]-[0037])**; and external equipment inherently communicating with the smart card, the equipment having an antenna adapted to transmit and/or receive signals for use by the external equipment **(See Ito's abstract figure 2(20, 21, 12), section [0035]-[0037] where the smart card is provided RF module and antenna to inherently communicate with an external equipment)**. However, Ito does not specifically disclose that the radio-frequency interface of the smart card connected to the antenna of the equipment wherein signals from the radio-frequency interface are transmitted to the antenna of the external equipment to increase a communication range of the smart card. But Launay discloses a connection between the surface pins of the card and the antenna **(See Launay's abstract, figure 1(11, 12), col.3 lines 31-36).** Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the invention of Ito and combine with the invention of

Launay, thereby providing a non-contact electronic card, as disclosed by Launay **(See Launay's col.1 lines 56-59).**

With respect to claim 18 and 21, Ito discloses surface contacts and transmitting signals between RF module and antenna module. However, Ito does not specifically discloses providing the smart card with at least two unused surface contacts; and transmitting electrical signals between the at least two unused surface contacts and the antenna. But Launay discloses a connection between the surface pins of the card and the antenna **(See Launay's abstract, figure 1(11, 12), col.3 lines 31-36).** Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the invention of Ito and combine with the invention of Launay, thereby providing a non-contact electronic card, as disclosed by Launay **(See Launay's col.1 lines 56-59).**

Claim Rejections - 35 USC § 103

6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

7. Claims 2, 4-6, 8-15, 22-27, and 19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ito (US 2001/0,006,902) in view of well-known prior art (MPEP 2144.03).

With respect to claim 2 and 4, Ito discloses a communication system wherein a smart card is disclosed **(See Ito's abstract, figure 2, section [0035]-[0037]).** Ito does not disclose the format of the smart card to be ISO standard 7816-2 and wherein the surface pins of the card are pins C4 and C8. However, an official notice is taken that the concept and use of the ISO standard 7816-2 are well known and expected in the art. Therefore, it would be obvious to one of ordinary skill in the art to use the ISO standard of 7816-2 in their design of smart card.

With respect to claim 5, Ito discloses a communication system wherein a smart card is disclosed **(See Ito's abstract, figure 2, section [0035]-[0037]).** Ito does not disclose the format of the smart card to be ISO standard 7816-1 and wherein the surface pins of the card are pins C4 and C8. However, an official notice is taken that the concept and use of the ISO standard 7816-2 are well known and expected in the art. Therefore, it would be obvious to one of ordinary skill in the art to use the ISO standard of 7816-1 in their design of smart card.

With respect to claim 6, Ito discloses a communication system wherein a smart card is disclosed **(See Ito's abstract, figure 2, section [0035]-[0037]).** Ito does not disclose the format of the smart card to be GSM standard. However, an official notice is taken that the concept and use of the GSM standard are well known and expected in the art. Therefore, it would be obvious to one of ordinary skill in the art to design their smart card for use in the GSM standard.

With respect to claim 8, Ito discloses a communication system wherein a smart card is disclosed **(See Ito's abstract, figure 2, section [0035]-[0037]).** Ito and Launay do not disclose the pins on the equipment can be coupled to pins C4 and C8 of a smart card in the ISO standard 7816-2 format. However, an official notice is taken that the concept and use of the ISO standard 7816-2 are well known and expected in the art. Therefore, it would be obvious to one of ordinary skill in the art to use the ISO standard of 7816-2 in their design of smart card where the pins C4 and C8 can be coupled to equipment.

With respect to claim 9 and 24, Ito discloses a communication system wherein a smart card and its use with external equipment is disclosed **(See Ito's abstract, figure 2, section [0035]-[0037]).** Ito and Launay do not disclose the equipment is a cell phone. However, an official notice is taken that the concept and use of smart card with a cell phone are well known and expected in the art. Therefore, it would be obvious to one of ordinary skill in the art to incorporate the use the smart card in a cell phone.

With respect to claim 23, Ito discloses a communication system wherein a smart card and its use with external equipment is disclosed **(See Ito's abstract, figure 2, section [0035]-[0037]).** Ito and Launay do not disclose the equipment is an electronic device. However, an official notice is taken that the concept and use of smart card with an electronic device are well known and expected in the art. Therefore, it would be obvious to one of ordinary skill in the art to incorporate the use the smart card in an electronic device.

With respect to claim 10 and 26, Ito discloses a communication system wherein a smart card and its use with external equipment is disclosed **(See Ito's abstract, figure 2, section [0035]-[0037]).** Ito and Launay do not disclose the equipment is a cell phone having a body and a removable battery and that the antenna is fixed to the removable battery. However, an official notice is taken that the concept and use of smart card with a cell having removable battery with the antenna either fixed to the body or to removable battery are well known and expected in the art. Therefore, it would be obvious to one of ordinary skill in the art to incorporate the use the smart card in such a cell phone.

With respect to claim 11 and 27, Ito discloses a communication system wherein a smart card and its use with external equipment is disclosed **(See Ito's abstract, figure 2, section [0035]-[0037]).** Ito and Launay do not disclose the equipment is a cell phone having a body and a removable battery and that the antenna is fixed to the body. However, an official notice is taken that the concept and use of smart card with a cell having removable battery with the antenna either fixed to the body or to removable battery are well known and expected in the art. Therefore, it would be obvious to one of ordinary skill in the art to incorporate the use the smart card in such a cell phone.

With respect to claim 12 and 25, Ito discloses a communication system wherein a smart card and its use with external equipment is disclosed **(See Ito's abstract, figure 2, section [0035]-[0037]).** Ito and Launay do not disclose the equipment is an automobile vehicle. However, an official notice is taken that the concept and use of smart card with equipment in an automobile vehicle are well known and expected in the

art. Therefore, it would be obvious to one of ordinary skill in the art to incorporate the use the smart card in an automobile vehicle.

With respect to claim 13, Ito discloses a communication system wherein a smart card and its use with external equipment is disclosed **(See Ito's abstract, figure 2, section [0035]-[0037]).** Ito and Launay do not disclose the equipment is a PDA. However, an official notice is taken that the concept and use of smart card with a PDA are well known and expected in the art. Therefore, it would be obvious to one of ordinary skill in the art to incorporate the use the smart card in a PDA.

With respect to claim 14, Ito discloses a communication system wherein a smart card and its use with external equipment is disclosed **(See Ito's abstract, figure 2, section [0035]-[0037]).** Ito and Launay do not disclose the equipment is a smart card support. However, an official notice is taken that the concept and use of smart card with smart card support equipment are well known and expected in the art. Therefore, it would be obvious to one of ordinary skill in the art to incorporate the use the smart card in a smart card support equipment.

With respect to claim 15, Ito discloses a communication system wherein a smart card and its use with external equipment is disclosed **(See Ito's abstract, figure 2, section [0035]-[0037]).** Ito and Launay do not disclose the equipment is a storage device. However, an official notice is taken that the concept and use of smart card with a cell phone are well known and expected in the art. Cell phones with their usual massive memory sizes are effectively storage devices. Therefore, it would be obvious to

one of ordinary skill in the art to incorporate the use the smart card in a cell phone/storage device.

With respect to claim 19 and 22, Ito and Launay disclose smart card with surface contacts for transmitting signals to antenna. However, Ito and Launay do not specifically disclose providing the smart card in ISO standard 7816 and providing contacts as contacts C4 and C8. However, an official notice is taken that the concept and use of the ISO standard 7816 are well known and expected in the art. Therefore, it would be obvious to one of ordinary skill in the art to use the ISO standard of 7816 in their design of smart card.

Conclusion

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sayed T. Zewari whose telephone number is 571-272-6851. The examiner can normally be reached on 8:30-4:30.

9. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lester G. Kincaid can be reached on 571-272-7922. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

10. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Sayed T. Zewari

September 2, 2007

LESTER G. KINCAID
SUPERVISORY PRIMARY EXAMINER